|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| ADD | 0 | 0 | 0 | 0 | 0 | DST | | | | 0 | 0 | 0 | SRC1 | | | | SRC2 | | | |
| SUB | 0 | 0 | 0 | 0 | 0 | DST | | | | 0 | 0 | 1 | SRC1 | | | | SRC2 | | | |
| AND | 0 | 0 | 0 | 0 | 0 | DST | | | | 0 | 1 | 0 | SRC1 | | | | SRC2 | | | |
| OR | 0 | 0 | 0 | 0 | 0 | DST | | | | 0 | 1 | 1 | SRC1 | | | | SRC2 | | | |
| XOR | 0 | 0 | 0 | 0 | 0 | DST | | | | 1 | 0 | 0 | SRC1 | | | | SRC2 | | | |
| ADDI | 0 | 0 | 0 | 0 | 1 | DST | | | | SRC1 | | | | IMM | | | | | | |
| SUBI | 0 | 0 | 0 | 1 | 0 | DST | | | | SRC1 | | | | IMM | | | | | | |
| ANDI | 0 | 0 | 0 | 1 | 1 | DST | | | | SRC1 | | | | IMM | | | | | | |
| ORI | 0 | 0 | 1 | 0 | 0 | DST | | | | SRC1 | | | | IMM | | | | | | |
| XORI | 0 | 0 | 1 | 0 | 1 | DST | | | | SRC1 | | | | IMM | | | | | | |
| JUMP | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | ADDR | | | | | | | | | |
| LD | 0 | 0 | 1 | 1 | 1 | DST | | | | 0 | ADDR | | | | | | | | | |
| ST | 0 | 0 | 1 | 1 | 1 | SRC | | | | 1 | ADDR | | | | | | | | | |
| BE | 0 | 1 | REG1 | | | | REG2 | | | | ADDR | | | | | | | | | |
| BNE | 1 | 0 | REG1 | | | | REG2 | | | | ADDR | | | | | | | | | |
| PUSH | 1 | 1 | 1 | 1 | 1 | SRC1 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POP | 1 | 1 | 1 | 1 | 1 | SRC1 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Haydar Taha Tunç 150119745

Burak Dursun 150119743

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